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PATENT ABSTRACTS OF JAPAN

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(71) Applicant: **TOSHIBA CORP**

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(54) BUS ARBITRATION SYSTEM

(57) Abstract:

PURPOSE: To effectively use a bus by arbitrating the bus by considering only a bus using request from another bus master an object for some definite period of time in the case that a retry response is returned from the bus slave of a read requested destination to the bus master of a requesting origin.

CONSTITUTION: To the bus 11, m-pieces of the bus masters 12-1 to 12-m to transfer data by using the bus 11 and n-pieces of the bus slaves 13-1 to 13-n to be used by the bus masters 12-1 to 12-m are connected. Here, by constituting a system so that the purport of the return of the retry response is detected when the retry response is returned from the bus slave of the read requested destination to the bus master of the requesting origin, and the bus using request from the requesting origin bus master is not accepted for some definite period of time after this detection, even the bus master of

lower priority than the requesting
origin bus master can be made to
acquire the using right of the bus
during this period. Thus, the using
efficiency of the bus can be
improved.